FIG. 1

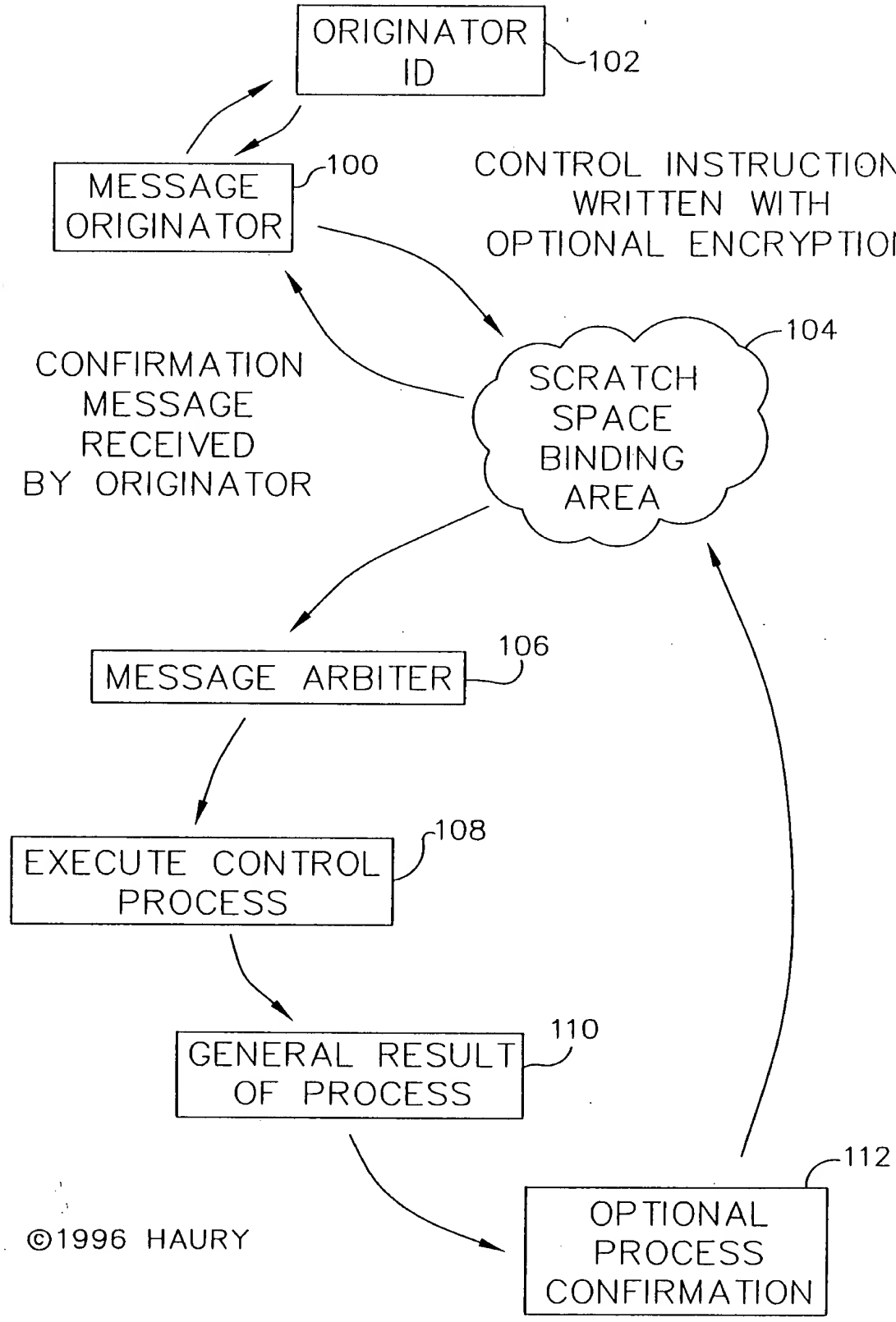
ORIGINATOR ID
102
MESSAGE ORIGINATOR
100
CONTROL INSTRUCTIONS WRITTEN WITH OPTIONAL ENCRYPTION
CONFIRMATION MESSAGE RECEIVED BY ORIGINATOR
SCRATCH SPACE BINDING AREA
104
MESSAGE ARBITER
106
EXECUTE CONTROL PROCESS
108
GENERAL RESULT OF PROCESS
110
OPTIONAL PROCESS CONFIRMATION
112
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FIG. 2

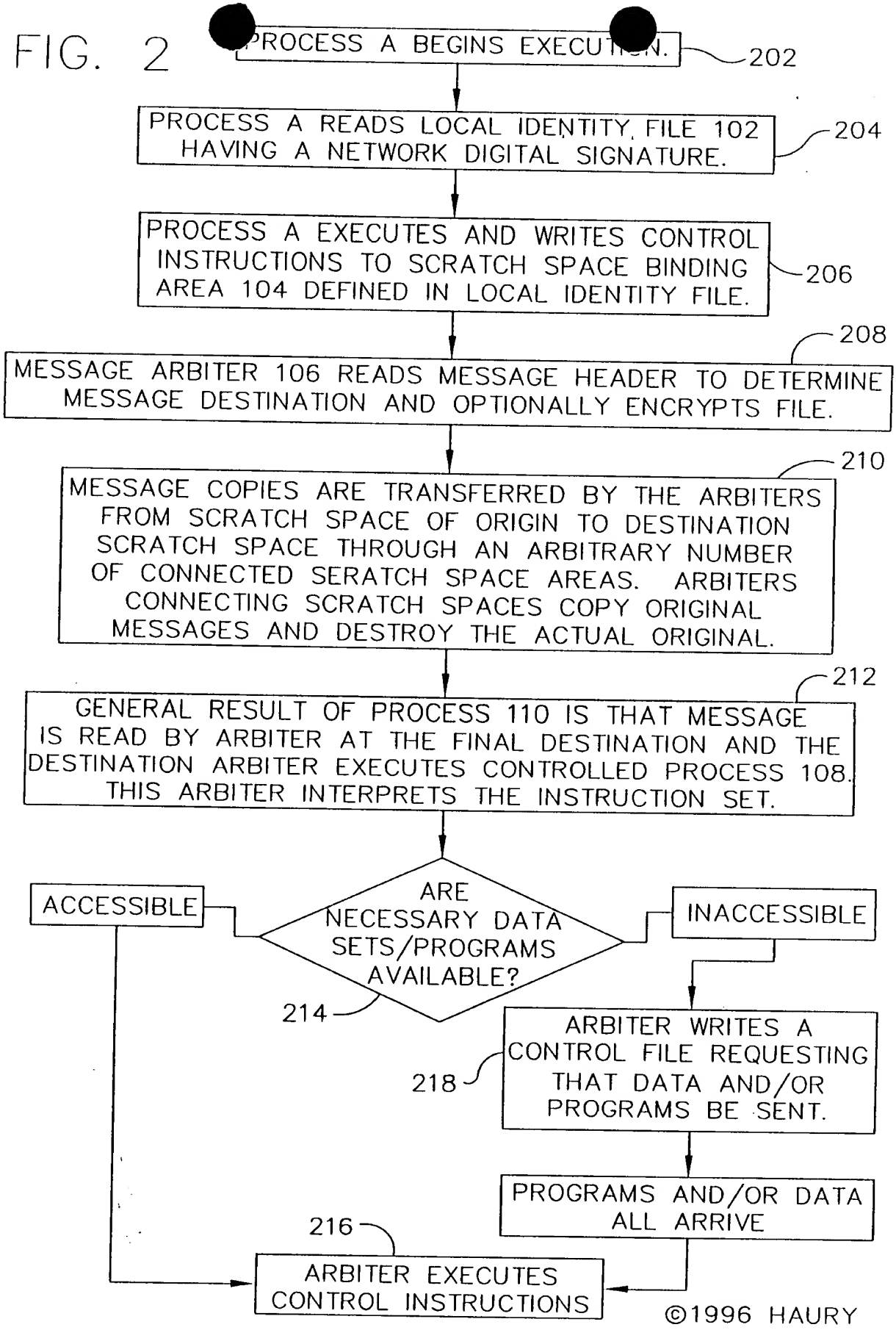

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FIG. 3

ALTERNATE MESSAGE STRUCTURES

A (CONTEXT DEFINED)
FILENAME = PROCESS IDENTIFICATION
FILE EXTENSION = CONTROL INSTRUCTION
FILE CONTENTS = DATA SET AND/OR DATA POINTERS

B (CONTENT DEFINED)
ANY NUMBER OF LINES IN A ARBITRARY ORDER
SOURCE ID: (16 BYTES)
DESTINATION ID: (16 BYTES)
DATA SET: (AN ARBITRARY NUMBER OF BYTES)
PROGRAM: (AN ARBITRARY NUMBER OF BYTES)
SPECIAL INSTRUCTION: (AN ARBITRARY NUMBER OF BYTES); (...);...
KEYBOARD EXECUTION: (AN ARBITRARY NUMBER OF BYTES)
CONFIRMATION REQUEST: (1 BYTE)
RETURN ID: (16 BYTES)
RETURN DATA SET: (AN ARBITRARY NUMBER OF BYTES)
RETURN ENCRYPTION LEVEL: (1 BYTE)
NETWORK CONTROL: (16 BYTES)
DATE: (AN ARBITRARY NUMBER OF BYTES)
TIME: (AN ARBITRARY NUMBER OF BYTES)
SEQUENCE: (16 BYTES)

FIG. 4

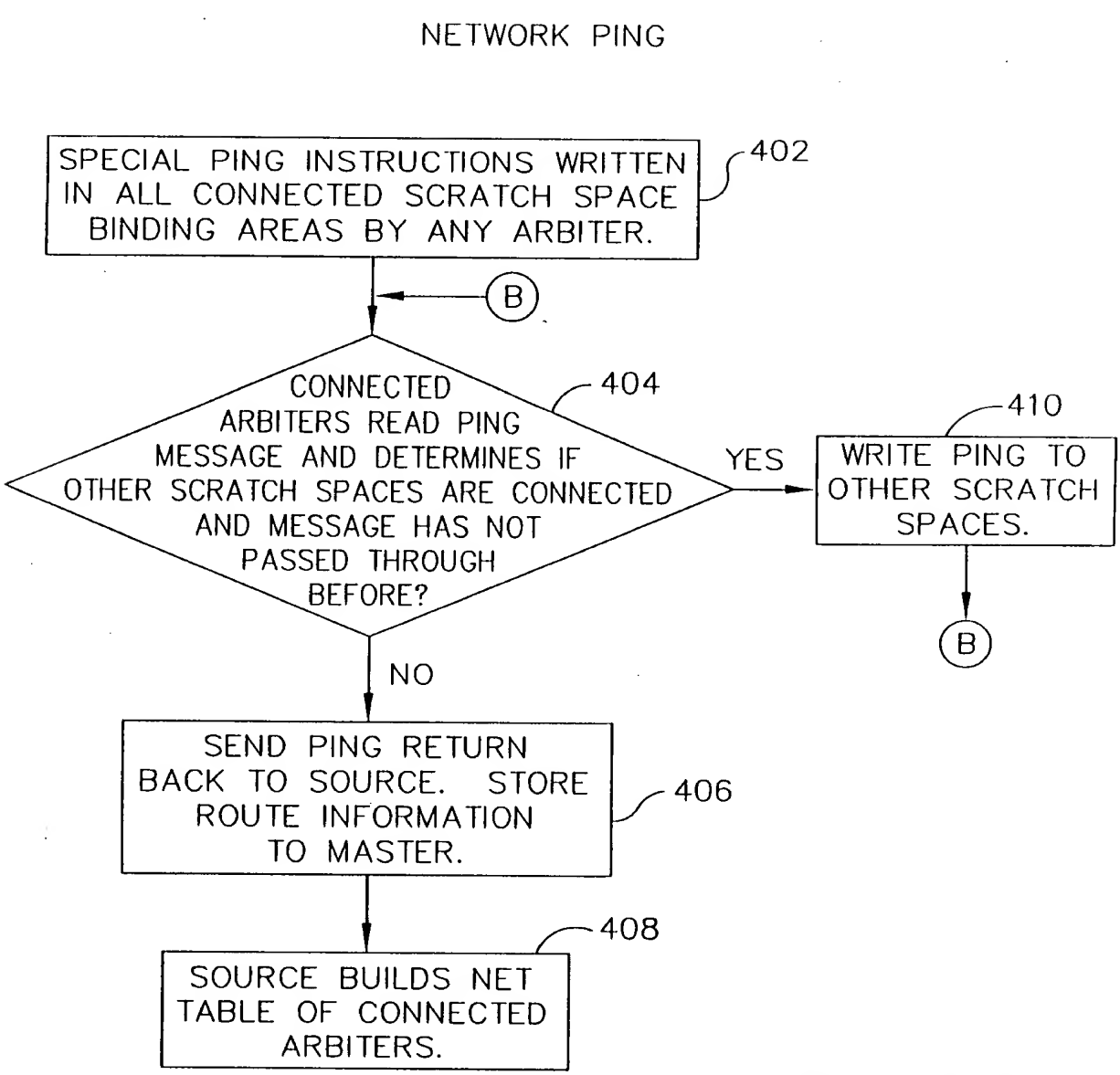

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FIG. 5

PING MESSAGE

PING
(NODE ID #1) ORIGINATING NODE
(NODE ID #2) NODES ADDED
(NODE ID #3)

.
.
.

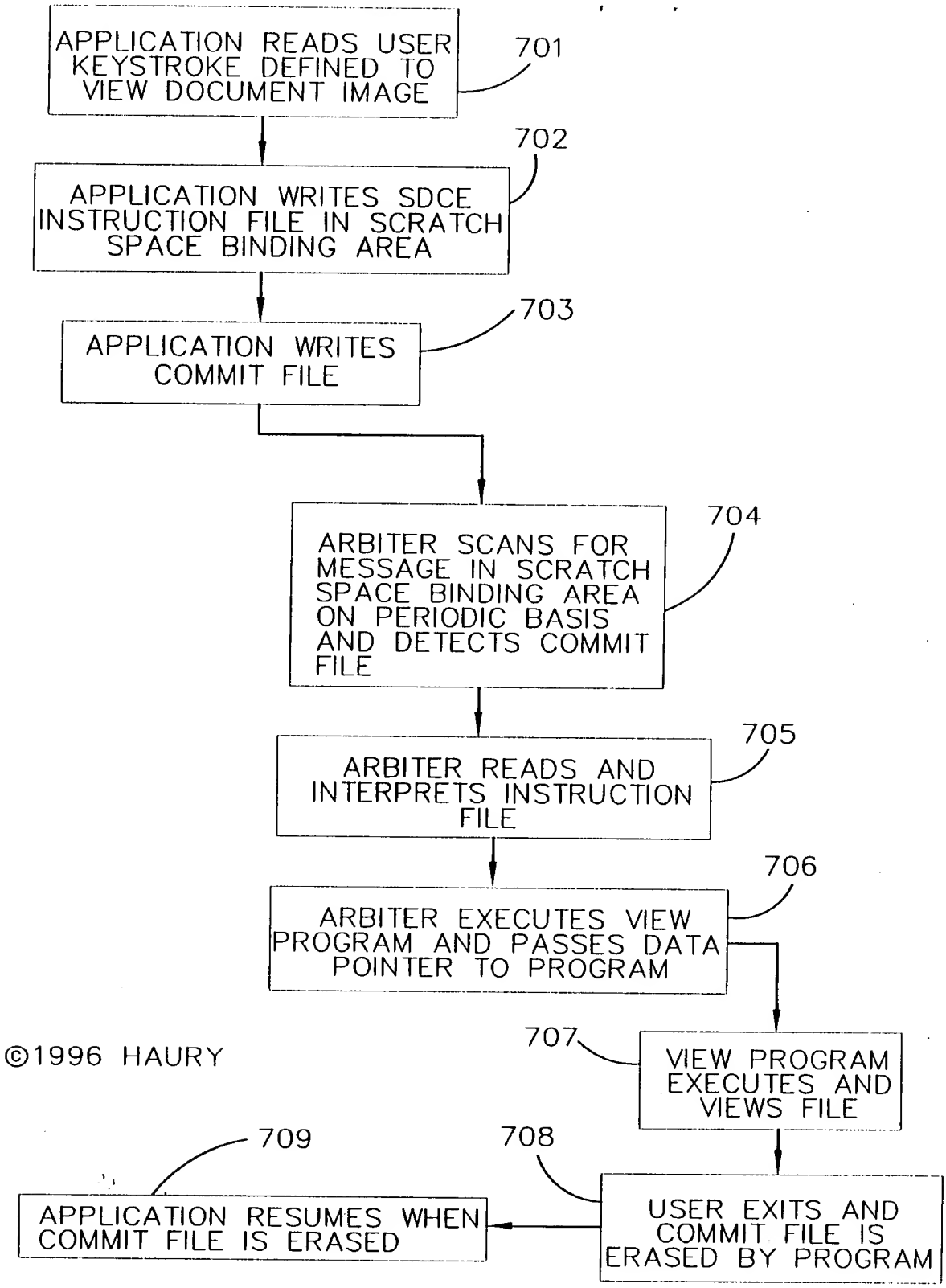
(NODE ID #n)

FIG. 6

CONTROL MESSAGE

1) TIME: (00: 00: 00: 00)
2) DATE: (xx/xx/xx)
3) RESET:
4) SILENCE:
5) KILL:
6) SHELL:
7) NEW MASTER: (XXXXXXXXXXXXXXX)
8) SLAVE MASTER: (XXXXXXXXXXXXXXX)
9) NET RESET
10) NET DOWN
11) CHANGE ID: (XXXXXXXXXXXXXXX)
12) HELLO
13) REQUEST NEW ID
14) MOVE DATA: (XXXXXX.XXX)
15) MOVE PROGRAM: (XXXXXX.XXX)
16) SEND MAP

FIG. 7



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